

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	247	piercing with (mandrel mandril)	USPAT	OR	OFF	2006/08/01 10:26
S2	58	S1 and fluid	USPAT	OR	OFF	2006/07/28 10:51
S3	2396	(piercing with (mandrel mandril needle)) and fluid	USPAT	OR	OFF	2006/07/28 10:56
S4	279	(piercing with (mandrel mandril needle)) and (fluid with transfer)	USPAT	OR	OFF	2006/07/28 11:27
S5	220	(piercing with (mandrel mandril needle)) and (fluid with transfer) and (bottle tube)	USPAT	OR	OFF	2006/07/28 13:59
S6	64	((piercing with (mandrel mandril needle)) and (fluid with transfer) and (bottle tube)) and stopper	USPAT	OR	OFF	2006/07/28 14:13
S7	1	("6669673").URPN.	USPAT	OR	OFF	2006/07/28 14:08
S8	29	((piercing with (mandrel mandril needle)) and (fluid with transfer) and (bottle)) and stopper	USPAT	OR	OFF	2006/07/28 14:26
S9	1	((piercing with (mandrel mandril needle)) and (fluid with transfer) and (bottle)) and stopper and o-ring	USPAT	OR	OFF	2006/07/28 14:26
S10	3	604/403-411	USPAT	OR	OFF	2006/08/01 10:27
S11	0	604/403,411,412,413,414,415,416	USPAT	OR	OFF	2006/08/01 10:30
S12	0	604/403,411-416	USPAT	OR	OFF	2006/08/01 10:31
S13	0	604/403411-416	USPAT	OR	OFF	2006/08/01 10:31
S14	1439	604/403	USPAT	OR	OFF	2006/08/01 10:33
S15	0	604/411-16	USPAT	OR	OFF	2006/08/01 10:32
S16	54	604/411-416	USPAT	OR	OFF	2006/08/01 11:15
S17	965	S14 and fluid	USPAT	OR	OFF	2006/08/01 10:34
S18	0	S15 and (needle mandrel mandril)	USPAT	OR	OFF	2006/08/01 10:35
S19	520	S17 and (needle mandrel mandril)	USPAT	OR	OFF	2006/08/01 10:35
S20	13	215/247-249	USPAT	OR	OFF	2006/08/01 11:22
S21	156	222/188	USPAT	OR	OFF	2006/08/01 11:22
S22	12	S21 and (needle mandril mandrel)	USPAT	OR	OFF	2006/08/01 11:24
S23	59	206/363-366	USPAT	OR	OFF	2006/08/01 11:37
S24	5	604/405-406	USPAT	OR	OFF	2006/08/01 11:38
S25	1555	604/905	USPAT	OR	OFF	2006/08/01 11:39
S26	869	S25 and (needle mandril mandrel)	USPAT	OR	OFF	2006/08/01 11:39
S27	627	S26 and (bottle tube)	USPAT	OR	OFF	2006/08/01 11:39
S28	140	S26 and bottle	USPAT	OR	OFF	2006/08/01 11:49

## EAST Search History

S29	648	604/533	USPAT	OR	OFF	2006/08/01 11:50
S30	296	604/533 and (needle mandrel mandril)	USPAT	OR	OFF	2006/08/01 11:50
S31	52	jansen-hubert\$.in.	USPAT	OR	OFF	2006/08/07 09:27
S32	126	jansen-hubert\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/07 09:27
S33	8	wortmann-uwe\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/07 09:27
S34	128	S32 or S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/07 09:27
S35	0	S34 with (fluid with transfer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/07 09:27
S36	30	S34 and (fluid with transfer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/07 09:28
S37	408	(fluid with transfer with device) and o-ring	USPAT	OR	OFF	2006/08/07 13:34